

ABSTRACT

A binding machine and method for spirally binding a sheaf of papers into a book uses an adjustable speed drive to rotate a flexible plastic spiral element into respective holes in the book. The book has a plurality of holes in a row adjacent one edge of the book to receive the leading edge of the spiral bonding elements. A cylindrically shaped mandrel is spaced apart from a glidable block. The plastic pre-formed spiral binding element is fed onto the mandrel from the distal end thereof, with the leading edge of the binding element facing and spaced apart from the book. A pair of leading edge spreaders, one of which has a guidance groove, engages the plastic spiral to spread its coils just enough to permit it to enter the successive holes of a sheaf to be bound. A trailing spreader at the opposite end insures that the last hole is accommodated with a portion of the spiral coil.

20

A:bindappl4